Table 1

		Strains	Supernatant fraction Cell frac			
	_		(μg/	L of cultur	e solut	ion)
Stra	in No.	Genus	FOH	GGOH	FOH	GGOH
ATCC	12341	Saccharomyces cerevisiae	0. 0	0. 0	0. 0	14. 4
K	4010	Saccharomyces sp.	0. 0	0. 0	0. 0	9. 1
K	4031	Saccharomyces sp.	0.0	0.0	0. 0	7.0
K	4037	Saccharomyces sp.	0. 0	0. 0	0. 0	5. 8
K	4039	Saccharomyces sp.	0. 0	0. 0	0. 0	5. 5
K	4041	Saccharomyces sp.	0.0	0.0	0.0	8. 4
IF0	0565	Saccharomyces cerevisiae	0. 0	0.0	0. 0	54. 7
IFO	0222	Saccharomyces cerevisiae	0. 0	0. 0	0. 0	3. 3
1F0	0216	Saccharomyces cerevisiae	0.0	0. 0	0. 0	5. 8
ATCC	9080	Saccharomyces cerevisiae	0.0	0. 0	0. 0	5. 7
IFO	0106	Saccharomycopsis fibuliger	a 0.0	0. 0	0. 0	3. 4
IFO	0125	Williopsis saturnus var.	0.0	0. 0	0. 0	5. 4
		saturuns				
IFO	0807	Pichia silvicola	0. 0	0. 0	0. 0	1. 2
IF0	0980	Nakazawaea holstii	0.0	0. 0	0. 0	5. 2
K	4327	Hansenula polymopla	0. 0	0. 0	0. 0	4. 7
IFO	0151	Kloeckera japonica	0. 0	0. 0	0. 0	10. 2
IF0	0128	Pichia membranaefaciens	0. 0	0. 0	0. 0	11.0
K	4261	Pichia aganobii	0.0	4. 0	0. 0	0. 0
IF0	0941	Williopsis saturnus var.	0. 0	0. 0	0. 0	6. 7
		saturuns				
	0013	Candida krusei	0. 0	0.0	0.0	16. 5
	0706	Candida kefyr	0, 0	0. 0	0. 0	4. 9
	0716	Candida tenuis	0.0	0. 0	0.0	8. 7
	0617	Kluyveromyces marxianus	0. 0	0. 0	0. 0	25. 2
	0762	Candida solani	0.0	0. 0	0. 0	29. 0
IF0	1060	Candida albicans	0.0	2. 4	0. 0	0. 0
<u>IFO</u>	0720	Candida catenulata	0.0	0.0	0.0	<u>25. 9</u>

FOH: farnesol

Table 2

		Strains		Supernatan (µg	t fraction L of cult		ll fraction ution)
Stra	in No.	Genus		FOH	GGOH	FOH	GGOH
K	4002	Saccharomyces s	 Sp.	4. 4	0. 0	0. 0	10. 9
K	4006	Saccharomyces s		4. 2	0. 0	4. 3	6. 7
K	4013	Saccharomyces s		0. 0	0. 0	7. 3	5. 0
K	4015	Saccharomyces s		7. 9	0. 0	6. 6	7. 9
K	4016	Saccharomyces s		4. 5	0. 0	2. 2	6. 5
K	4017	Saccharomyces s		4. 3	0. 0	7. 9	7. 9
K	4018	Saccharomyces s		4. 4	0. 0	5. 0	9. 9
K	4020	Saccharomyces s		0. 0	0. 0	2. 8	5. 4
K	4022	Saccharomyces s		0. 0	0. 0	2. 1	4. 7
K	4023	Saccharomyces s		0. 0	0. 0	5. 2	11. 5
K	4025	Saccharomyces s		5. 0	0. 0	5. 5	2. 0
K	4026	Saccharomyces s	sake	0. 0	0. 0	2. 6	7. 6
K	4029	Saccharomyces s	sake	0.0	0. 0	2. 2	2. 3
K	4030	Saccharomyces s	sp.	5. 1	0. 0	4.6	3. 7
K	4036	Saccharomyces s	sp.	0. 0	0. 0	4. 1	15. 2
K	4045	Saccharomyces c	erevisiae	0. 0	0. 0	44. 9	18.6
K	4102	Saccharomyces e	ellipsoideus	0. 0	0. 0	22. 9	7. 2
K	4103	Saccharomyces c	cerevisiae	0. 0	0. 0	22. 6	8. 6
K	4104	Saccharomyces o	cerevisiae	0.0	0. 0	15. 8	31.7
IFO	0252	Saccharomyces r	rosei	0.0	0. 0	28. 5	39. 0
IF0	0288	Kluyveromyces m	narxianus	0. 0	0. 0	11. 3	22. 6
Kyo!	kai No.2	Saccharomyces :	sake	0. 0	0. 0	9. 7	26. 1
IF0	0422	Torulaspora del	lbruecki i	0.0	0.0	8. 2	11. 9
IF0	0487	Zygosaccharomyc	ces rouxii	0. 0	0. 0	4. 9	14. 3
IF0	1346	Saccharomyces c	cerevisiae	0. 0	0. 0	4. 3	13. 1
ATCC	204660	Saccharomyces	cerevisiae	8. 7	0. 0	9. 3	26. 8
IF0	0339	Saccharomycodes	s ludwigii	15. 3	0. 0	6. 0	80. 9
IAM	4842	Schizosaccharon	nyces octospor	us 2.7	0. 0	2. 2	12. 1
IFO	1116	Wickerhamia flu	orescens	18. 7	0. 0	4. 2	23. 0
IFO	0794	Debaryomyces ha	anseni i	4. 8	2. 7	7. 7	11.5
IF0	1359	var. fabryi Debaryomyces ca	astellii	18. 5	0. 0	6. 3	21. 1

(Continuation of Table 2)

_						
JCM	2169	Debaryomyces vanrijiae	73. 7	0. 0	14. 3	6. 2
		var vanrijiae				
IF0	0115	Hanseniaspora valbyensis	13. 6	0. 0	7. 4	103. 5
IF0	0118	Pichia anomala	0. 0	0. 0	2. 2	15. 3
1F0	0569	Pichia anomala	0. 0	0. 0	7. 3	28. 2
IF0	0941	Williopsis saturnus	4. 7	0. 0	69. 8	78. 7
		var. saturnus				
1F0	1475	Ogataea polymorpha	0. 0	0. 0	13. 5	36. 1
IFO	1670	Pichia naganishii	1. 2	2. 1	0. 0	0. 0
IF0	0707	Pichia anomala	8. 6	0. 6	0. 0	12. 3
IFO	0719	Candida zeylanoides	10. 2	0. 0	4. 4	20. 3
IF0	0701	· Candida stellata	10. 3	0. 0	0. 0	4. 9
IF0	0662	Kluyveromyces thermotolerans	13. 7	0. 0	10. 4	9. 2
IFO	0648	Kluyveromyces lactis	16. 0	0. 0	6. 3	72. 9
IF0	0005	Candida glabrata	35. 7	5. 4	4. 5	28. 3
IF0	0595	Zygosaccharomyces japanicus	9. 3	3. 6	0. 0	0. 0

K: strain maintained by Kyoto University

FOH: farnesol

Table 3

	Strains	Supernatar		on Ce ture solu	
Strain No.	Genus	FOH	GGOH	FOH	GGOH
K 4003	Saccharomyces sp.	5. 0	0. 0	19. 3	0. 0
K 4004	Saccharomyces sp.	10. 6	0. 0	15. 2	0. 0
K 4011	Saccharomyces sake	0. 0	0. 0	9. 0	0. 0
K 4011	Saccharomyces sake	0. 0	0. 0	2. 2	0. 0
K 4021	Saccharomyces logos	0. 0	0. 0	18. 4	0. 0
		0. 0	0. 0	10. 4	0. 0
IFO 0686	Zygosaccharomyces rouxii		0. 0	0. 0	0. 0
IFO 0285	Saccharomyces dairensis	4. 4			
IFO 0262	Saccharomyces cerevisiae	7. 1	0. 0	0. 0	0. 0
IFO 0021	Zygosaccharomyces fermentat		0. 0	0. 0	0.0
IFO 0259	Saccharomyces paradoxus	3. 2	0. 0	0. 0	0. 0
IFO 0539	Saccharomyces bayanus	1. 4	0. 0	0. 0	0. 0
IFO 0613	Saccharomyces bayanus	2. 3	0. 0	0. 0	0. 0
IFO 0346	Schizosaccharomyces pombe	4. 4	0. 0	16.8	0. 0
IFO 0358	Schizosaccharomyces pombe	2. 3	0. 0	4. 7	0. 0
IFO 0023	Debaryomyces hansenii	12. 2	0. 0	0.0	0.0
IFO 0954			0. 0	0. 0	0. 0
IFO 0974			0. 0	8. 2	0.0
IFO 0963	Pichia anomala	0. 0	0.0	9.6	0. 0
IFO 0673	Waltomyces lipofer	10. 1	0. 0	0. 0	0. 0
IFO 0678	Lypomyces starkeyi	4. 8	0. 0	0. 0	0. 0
IFO 0579	Candida albicans	12. 8	0. 0	0. 0	0. 0
IFO 0626	Candida utilis	3. 0	0. 0	0. 0	0. 0
IFO 3022	Bacillus amyloliquefaciens	4. 1	0. 0	0. 0	0. 0
IFO 3030	Bacillus pumilus	6. 0	0. 0	0. 0	0. 0
IFO 3762	Staphylococcus epidermidis	6. 1	0. 0	0. 0	0. 0
K 876	Pseudômonas sp.	18. 6	0. 0	0. 0	0. 0

FOH: farnesol

Table 4

		Superna	atant fra	ction	Supernatant fraction Cell fraction	action	
			(µg/L	of cult	($\mu g/L$ of culture solution)	tion)	
Strain No.	Genus	NE	FOH	H05	FOH GOH NE FOH GOH	FOH	H05
IFO 12865	IFO 12865 Streptomyces gardneri 0.0	0.0	0.0	0.0 0.0		11.5 0.0 0.0	0.0
IFO 3384	Nocardia asteroides 0.0	0.0	0.0	0.0	14. 2	4. 2 0. 0.	0.0
IFO 14340	IFO 14340 Nocardia fusca	0.0	0.0	0.0	0.0 0.0 0.0 6.4 0.0 0.0	0.0	0.0

NE: nerolidol

FOH: farnesol

Table 5

		Sup	pernatant	fraction (µg/	L of cultur	e solution)
		Pł	osphatas	e-untreated	Phosphat	ase-treated
	Medium Cı	ultivation pe	riod		-	
Strain No.	composition	(days)	FOH	GGOH	FOH	GGOH
IFO 0005	YM	1	0. 0	0. 0	1. 5	0. 0
		2	0. 0	0. 0	0. 0	0. 0
	_	3	0. 0	. 0.0	0. 0	0. 0
	YM+G1c	1	0. 0	0. 0	6. 1	0. 0
		2	0. 0	0. 0	9. 5	0. 0
		3	29. 4	2. 3	13. 9	0. 0
	YM+G1c+SBO	<u>1</u>	0. 0	0. 0	0. 0	0. 0
		2	135. 6	92. 0	69. 9	31. 5
		3	850. 7	416. 5	116. 6	40. 0
IFO 0115	YM	- 1	0. 0	0. 0	0. 0	0. 0
		2	0. 0	0. 0	0. 0	0. 0
		3	34. 0	0. 0	0. 0	0. 0
	YM+Glc	1	0. 0	0. 0	0. 0	0. 0
•		2	11. 3	0. 0	0. 0	0. 0
		3	36. 4	0. 0	18. 0	0. 0
	YM+Glc+SBO	. 1	0. 0	0. 0	0. 0	0. 0
		2	24. 0	0. 0	5. 1	0. 0
		3	30. 3	26. 5	7. 9	0.0
IFO 0339	YM	1	0. 0	0. 0	0. 0	0. 0
		2	8. 7	0. 0	0. 0 ⁻	0.0
		3	0.0	0. 0	0. 0	0. 0
	YM+G1c	1	0. 0	0. 0	0. 0	0. 0
		2	16.8	0. 0	17. 7	0. 0
		3	67. 1	0. 0	20. 8	0. 0
•	YM+G1c+SBO	1	0. 0	0. 0	0. 0	0. 0
		2	11.7	5. 3	0. 0	0. 0
		3	85. 6	7. 3	6. 5	0. 0

FOH: farnesol

GGOH: geranylgeraniol

YM: YM medium (Difco)

YM+Glc: YM medium (Difco) + 5% glucose

YM+Glc+SBO: YM medium (Difco) + 5% glucose + 1% soybean oil

Table 6

			Cell frac	ction (ug/L	of culture so	olution)
		Ph		-untreated	Phosphata	
	Medium C	ultivation pe	. •	undeated	1 mospinata.	se treated
Owels Ma	composition	(days)		CCOII	EOII	CCOII
Strain No.			FOH	GGOH	FOH	GGOH
IFO 0005	YM	1	39. 4	0. 0	0. 0	0. 0
		2	14. 8	37. 3	0. 0	0. 0
		3	11.4	41. 7	51. 2	0.0
	YM+G1c	1	8. 4	0. 0	0. 0	0. 0
		2	44. 1	134. 4	86.8	304. 8
•	*************************	3	104. 4	323. 9	202. 4	772. 6
	YM+Glc+SBO	1	5. 8	0.0	0. 0	0.0 -
		2	427. 4	178. 9	248. 0	239.6
		3	835. 3	363. 7	1321.6	1176. 2
IFO 0115	YM	1	0. 0	0.0	0. 0	0. 0
		2	34. 0	5. 1	0. 0	0. 0
		3	21. 1	45.6	0.0	63. 7
	YM+G1c	1	0.0	0. 0	0.0	0. 0
		2	46.6	26. 1	23. 9	0. 0
•	***************************************	3	54. 2	108. 5	78. 0	491.8
	YM+G1c+SBO	1	0. 0	0.0	0.0	0. 0
		2	0. 0	0.0	9. 7	0. 0
		3	61.3	122. 0	69. 2	286. 1
IFO 0339	YM	1	18. 0	0. 0	0. 0	0. 0
		2	16. 6	0.0	0.0	0. 0
		3	19. 5	48. 3	0. 0	71.0
	YM+Glc	1	0. 0	0. 0	0. 0	0. 0
		2	58. 6	34. 1	12. 0	0. 0
		3	62. 3	173. 8	67. 8	464. 8
	YM+Glc+SBO	1	0. 0	0. 0	0. 0	0. 0
		2	96. 4	10. 3	9. 3	0. 0
		3	61.6	103. 7	27. 9	<u>135. 6</u>

FOH: farnesol

GGOH: geranylgeraniol

YM: YM medium (Difco)

YM+Glc: YM medium (Difco) + 5% glucose

YM+Glc+SBO: YM medium (Difco) + 5% glucose + 1% soybean oil

Table 7

Medium composition: YM medium (Difco)

	Strains	cernata	Supernatant fraction Cell fraction	Cel	fraction
		(µg/L	(μg/L of culture solution)	solutio	n)
Strain No.	Genus	FOH	FOH GGOH	FOH	F 0Н GG0Н
K 4104	Saccharomyces cerevisiae	0.0	0.0 0.0	15.8 31.7	31.7
1EO 0959		0.0	0.0	28. 5	28. 5 39. 0
1EO 0565		0.0	0.0	0.0	0.0 54.7
150 0303	willionsis saturnus var. saturnus 4.7	s 4.7	0.0	69.8	78.7
1F0 071		0.0	0.0	13. 5	36. 1
1F0 0648	TEO 0648 Kluveromyces lactis	6.0	6.0 0.0	6.3	6.3 72.9

FOH: farnesol

Table 8

Medium composition: YM medium (Difco) + 5% glucose + 1% soybean oil

		Strains	Cultivation days		реглата	nt fraction	Supernatant fraction Cell fraction	raction
					μg/Lο	f culture	(µg/L of culture solution)	_
Strai	Strain No.	Genus			FOH	H099	FOH	GG0H
K 4104	04	Saccharomyces cerevisiae	revisiae 3		281.0	127.7	241. 1	161.6
			9		338. 2	186.9	155.3	132. 2
1F0	2052	IFO 2052 Saccharomyces rosei	sei 3	, ,	220.0	98.0	305.9	140.2
			9		381.2	176.6	193. 1	122. 5
IFO	0565	IFO 0565 Saccharomyces cerevisiae	revisiae 3		49.3	16.0	88.0	78. 2
٠			9		51.9	34. 1	248. 5	214. 2
IFO	0941	IFO 0941 Williopsis saturnus	nus 3		54.8	22. 6	255.3	169.3
		var. saturnus	9		88.3	33. 1	363. 2	220.9
1F0	1475	IFO 1475 Ogataea polymorpha	ha 3		60.09	69. 1	113.5	127. 2
			9		19.8	14. 4	60.8	95.9
IF0	0648	IFO 0648 Kluyveromyces lactis	actis 3		28.5	37.8	61.8	91. 1
			9		120.3	124. 5	159.8	211.5

FOH: farnesol

Table 9

Medium composition: YM medium (Difco) + 4 mg/L ergosterol + 0-20 mg/L SQAD

			Supe		fraction		Cell fr	action
				(µg/	L of cultu		ution)	
Strain No.	SQAD	Days	NE.	FOH	GGOH	NE	FOH	GGOH
IFO 0215	0	3	0.0	0. 0	0. 0	0.0	0. 0	0. 0
Saccharomyces	1		0.0	0. 0	0. 0	0.0	0. 0	0.0
unisporus	20		0. 0	3. 2	0. 0	0:0	0.0	0. 0
•	0	7	0. 0	0. 0	0. 0	0.0	0.0	0. 0
	1		0. 0	0. 0	0. 0	0.0	0. 0	0. 0
	20		0.0	0.0	0. 0	0.0	0.0	0.0
IFO 0538	0	3	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
Saccharomyces	1		0.0	0. 0	0. 0	0. 0	0. 0	0. 0
cerevisiae	20		0.0	0. 0	0. 0	0.0	8. 1	0. 0
	0	7	0.0	0. 0	0. 0	0. 0	0. 0	0. 0
	1		0. 0	0. 0	0. 0	0. 0	0.0	0. 0
	20		0.0	0. 0	0.0	0.0	0.0	0.0
IFO 0622	0.	3	0.0	3. 1	0. 0	0. 0	1. 9	30. 4
Candida	1		.0. 0	3. 5	0. 0	0.0	1. 4	24. 3
glabrata	20			243. 5	0. 0	0. 0	212.0	57. 0
	0	7	0. 0	0. 0	0.0	0.0	0. 0	0. 0
•	1		0. 0	0. 0	0.0	0.0	0.0	0. 0
	20		0.0	0.0	0.0	0.0	5. 5	40.5
IFO 0717	0	3	0. 0	0. 0	0.0	0.0	0. 0	0. 0
Yarrowia	1		0. 0	1. 3	0. 0	0.0	0. 0	0. 0
lopolytica	20		0.0	39. 7	66. 5	0.0	39. 7	63. 5
	0	7	0.0	0. 0	0. 0	0.0	0.0	0. 0
	1		0.0	2. 1	0.0	0.0	1. 5	0.0
	20		0. 0	10.6	0.0	0.0	10.6	0. 0
IFO 0948	0	3	0. 0	0. 0	0. 0	0.0	0. 0	0. 0
Komagataella	1		0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
	20		0. 0	3. 4	2. 3	0. 0	3. 4	1. 8
	0	7	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
	1	•	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
	20		0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
	<u> </u>		U. U	υ. υ	U. U	y. V	U. U	<u> </u>

Table 9 (continued)

(Continuation of Table 9)

TFO 0974
Capsulata 20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
O
1
Saccharomyces 1
IFO 1472
Ogataea 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
glucozyma 20 0.0 0.0 18.3 0.0 0.0 17 0 7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
O 7 O O O O O O O O
1
20
IFO 1892 0 3 0.0
Saccharomyces 1 0.000.000.000.000.000.000.000.000.000.
kluyeri 20 0.0 0.0 0.0 0.0 0.0 38 0 7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0 7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1 0.0
20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
IFO 1910 0 3 0.0
Candida 1 0.0 <td< td=""></td<>
cariosilignicola 20 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0.
0 7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0
1 0.0 0.0 0.0 0.0 0.0 0.0
20 0.0 0.0 0.0 0.0 0.0 0
1F0 0005 0 3 0. 0 0. 0 0. 0 0. 0 0. 0 12
Candia 1 0.0 0.0 0.0 0.0 0.0 4
glabrata 20 0.0 33.8 2.7 0.0 0.0 53
0 7 0.0 0.0 0.0 0.0 20.5 (
1 0.0 0.0 0.0 0.0 0.0 0
20 0.0 0.0 0.0 0.0 0.0 0

I: strain purchased from IFO

NE: nerolidol FOH: farnesol GGOH: geranylgeraniol

SQAD: squalene synthesis inhibitor 0: none 1: 1 mg/L 20: 20 mg/L

Table 10

Medium composition: YM medium (Difco) + 5% glucose + 1% soybean oil
+ 4 mg/L ergosterol + 0-20 mg/L SQAD

				-	tant fract		Cell frac	ction
Strain No.	SQAD	I	Days NE	FOH	GGOH	NE	FOH	GGOH
IFO 0215	0	3	16. 3	8. 2	0. 0	0. 0	0. 0	0. 0
Saccharomyces	1		12. 2	5. 2	0. 0	0. 0	0. 0	0. 0
unisporus	20		67. 4	68. 4	0.0	0. 0	16. 9	0. 0
-	0	7	19. 6	14. 8	0. Q	0. 0	0. 0	0. 0
	1		27. 3	17. 5	0. 0	0. 0	0. 0	0. 0
	20		466. 6	433. 7	21.6	8. 6	255.6	0. 0
IFO 0538	0	3	0. 0	139. 3	59.8	0. 0	0. 0	0. 0
Saccharomyces	1		0. 0	102. 9	46. 2	0. 0	15. 5	0. 0
cerevisiae	20		65. 9	9087. 5	331.6	0. 0	1465. 9	51.0
	0	7	0. 0	426. 4	246. 7	0.0	38. 0	0.0
	1		0. 0	319. 5	241.0	0.0	188. 8	85. 6
***************************************	20		216. 2	34241. 4		18. 4	5812.1	266. 2
IFO 0622	, 0	3	0. 0	106. 1	112. 3	0.0	28. 8	33. 6
Candida	1		9. 4	149. 2	119. 7	0. 0	9. 7	0. 0
glabrata	20		422. 2	12186. 9	327. 2	0. 0	331.6	9. 3
	0	7	11.6	378. 3	408. 5	0.0	43. 7	59. 2
	1		17. 2	530. 0	231.5	0. 0	133. 3	58. 5
***************************************	20			22147. 1	862. 7	138. 0	2750. 6	170. 5
IFO 0717	0	3	0. 0	8. 7	0. 0	0. 0	6. 7	0. 0
Yarrowia]		2. 4	100. 1	19. 1	0. 0	165. 3	0. 0
lopolytica	20		19. 0	983. 3	17. 8	0. 0	882. 1	0. 0
	0	7	0. 0	95. 3	608. 0	0. 0	0. 0	38. 4
	1		19. 0	405. 4	546. 8	0. 0	0. 0	0. 0
	20		156. 7	6812. 9	76. 2	0.0	1025. 1	41.8
IFO 0948	0	3	0. 0	73. 5	78. 9	0. 0	13. 8	42. 3
Komagataella	1		0.0	82. 2	71.5	0. 0	22. 9	28. 4
pastoris	20		17. 2	2956. 2	132. 5	0. 0	608. 4	80. 1
	0	7	0. 0	101.6	83. 5	0. 0	4. 3	11.0
	1		0. 0	569. 8	235. 7	0. 0	53. 4	28. 2
	20		34. 2	5513.3	360. 4	0.0	537. 5	84. 5

(Continuation of Table 10)

IFO 0974	0	3	0. 0	24. 8	11. 1	0. 0	3. 3	0. 0
Kuraishia	1		0. 0	1061.9	46. 1	0. 0	16. 1	7. 5
capsulata	20		0. 0	2022. 7	262. 0	0. 0	149. 2	34. 8
	0	7	0. 0	167. 5	236. 3	0. 0	3. 2	8. 5
	1		0. 0	713.7	275. 7	0. 0	24. 8	21. 2
***************************************	20		35. 9	8268. 5	680. 4	0. 0	362. 1	59. 7
IFO 1472	0	3	0. 0	34. 8	79. 8	0. 0	7. 4	20. 4
Ogataea	1		0. 0	40. 5	86. 0	0. 0	3. 7	9. 5
glucozyma	20		0. 0	808. 8	278. 7	0. 0	41. 1	37. 5
	0	7	0. 0	63. 2	138. 8	0. 0	0. 0	0. 0
	1		0. 0	93. 8	114. 7	0. 0	0. 0	0. 0
	20		0.0	1832. 0	513.0	0.0	73. 7	52.6
1FO 1892	0	3	0. 0	70. 4	46. 1	0. 0	3. 7	0. 0
Saccharomyces	1		0. 0	51.4	23. 0	0.0	2. 3	0. 0
kluyeri	20		0. 0	62. 9	30. 7	0.0	16. 5	0. 0
	0	7	0. 0	158. 5	71.4	0. 0	0. 0	0. 0
	1		23. 5	188. 3	101.7	0. 0	5.0	0. 0
	20	•••••	44. 1	935. 3	126. 4	0.0	227. 8	27. 8
IFO 1910	0	3	0. 0	11.0	44. 7	0. 0	0. 0	0. 0
Candida	1		0. 0	20. 9	69. 3	0. 0	0. 0	0. 0
cariosilignicola		_	0. 0	124. 9	127. 1	0. 0	8. 1	19. 6
	0	7	0. 0	51.7	152. 9	0. 0	0. 0	0. 0
	1		0. 0	257. 7	367. 3	0. 0	10. 3	37. 4
	20		0. 0	14378. 1	2997. 2	0.0	845. 5	205. 0
IFO 0005	0	3	22. 9	552. 1	496. 1	0. 0	50. 5	75. 2
Candia	1		260. 0	6784. 9	818. 5	8. 6	462. 0	86. 5
glabrata	20		2384. 0	37513. 9	1022. 9	423. 9	9405. 0	306. 5
	0	7	77. 1	1676. 1	1434. 6	0. 0	41. 2	51.2
	1		546. 0	11219. 5	1377. 8	9. 2	331.7	77. 1
	20		<u>6208. 9</u>	<u>68495. 6</u>	<u>3228. 1</u>	139. 2	2682. 5	217.6

NE: nerolidol

FOH: farnesol

GGOH: geranylgeraniol

SQAD: squalene synthesis inhibitor

0: none 1: 1 mg/L 20: 20 mg/L

Table 11

Medium composition: YM or KB or KY medium + 1% soybean oil + 6% glucose

	+ 4 mg/L ergoster	rol			
			Supe	rnatant fracti	ion (µg/L)
Med	lium Strain No.	SQA	D <u>NE</u>	FOH_	GGOH
YM	IFO 0107	0	0. 0	10. 8	155. 2
	Saccharomycopsis fibuligera	20	0. 0	9. 7	386. 5
KB	K 0876	0	0. 0	29. 0	0. 0
	Psendomonas sp.	20	0. 0	7. 8	0. 0
YM	IFO 1665	0	0.0	4. 7	211.5
	Saccharomycopsis fibuligera	20	0. 0	94. 5	4214.9
YM	IFO 1744	0	0. 0	0. 0	155. 5
	Saccharomycopsis fibuligera	20	0. 0	.41. 1	3870. 1
KB	K 2103	0	0. 0	10. 9	0. 0
	Norcadia asteroides	20	0. 0	0.0	0. 0
KY	1FO 4570	0	0. 0	0. 0	36. 5
	Mucor Javanicus	20	0.0	38. 8	343. 6
KY	K 4003	0	30. 1	511.9	694. 7
	Saccharomyces Hafe logos	20	4980.0	56541. 1	3603. 4
	van Laer				••••••
ΚY	K 4045	0	148. 1	870. 4	766.8
	Saccharomyces cerevisiae	20	24606. 3		<u> 2590. 6</u>
KY	K 4102	0	17. 5	541. 1	711.3
7737	Saccharomyces ellipsoideus		18160. 8		3207. 1
KY	K 4103	0	56. 4	753. 1	1072. 8
1/3/	Saccharomyces cerevisiae	20	20930. 8	53814. 6	4589. 9
V I	K 4104	0	19. 5	569. 2	546. 0
	Saccharomyces cerevisiae	20	23620. 7	54713. 2	2654. 4
KY	IFO 0565	0	0. 0	411. 7	535. 2
1/3/	Saccharomyces cerevisiae	20	839. 9	45723. 6	2216.6
KY	IFO 0210	0	37. 5	685. 5	362. 8
1/37	Saccharomyces cerevisiae	20	25251.0	48795. 6	1627. 2
KY	IFO 0346	0	0. 0	196. 2	278.9
	Schizosaccharomyces pombe	20	757. 6	45282. 1	1153.6
KY	IFO 1475	0	0. 0	236. 9	462.7
	Ogataea polymorpha	20	0.0	5643.0	1195. 1

Table 11 (continued)

(Continuation of Table 11)

KY	JCM 2169	0	0. 0	809. 8	241. 2
	Debaryomyces vanrijiae	20	129.5	20359. 5	2236. 0
	var vanrijiae				••••
KY	IFO 0339	0	0.0	164. 4	364. 3
	Saccharomycodes ludwigii	20	131.0	28498. 6	1483. 8
KY	IFO 0115	0	0. 0	254. 9	493. 6
	Hanseniaspora valbyensis	20	182.6	26807. 1	1217.7
	Valbyensis		••••••••		
KY	IFO 0648	0	0.0	136. 4	433. 8
	Kluyveromyces lactis	20	348.6	31785. 7	3343. 8
KY	1FO 0005	0	192. 8	861.5	909. 0
	Candida glabrata	20	15504. 1	44573. 8	2237. 1
KY	IFO 0762	0	37. 0	274. 7	384. 4
	Candida solani	20	1702.8	6574. 7	619. 1
KY	IFO 1527	0	0.0	16.6	24. 7
	Cryptococcus humicolus	20	0. 0	49. 6	33. 4
KY	IFO 1116	0	0.0	199. 3	315.7
	Wickerhamia fluorescens	20	73. 2	12200. 1	1181. 6

NE: nerolidol

FOH: farnesol

GGOH: geranylgeraniol

SQAD: squalene synthesis inhibitor

0: none 20: 20 mg/L

Treated with phosphatase

Table 12

Medium composition: YM or KB or KY medium + 1% soybean oil + 6% glucose
+ 4 mg/L ergosterol

		Cell fraction (µg/L)								
ledium Strain No.	SQAD	NE	FOH	GGOH						
YM 1FO 0107	0	0. 0	8. 1	24. 6						
Saccharomycopsis fibuligera	20	0. 0	4. 8	79. 9						
KB K 0876	0	0. 0	0. 0	0. 0						
Psendomonas sp. H21	20	0. 0	0. 0	0.0						
YM IFO 1665	0	0. 0	8. 2	21. 7						
Saccharomycopsis fibuligera	20	0. 0	20. 8	228.						
YM 1F0 1744	0	0. 0	0. 0	42.						
Saccharomycopsis fibuligera	0	0. 0	29. 8	819.						
KB K 2103	0									
Norcadia asteroides	20		•••••							
KY 1FO 4570	0	13. 4	22. 7	17.						
Mucor Javanicus	20	0. 0	15. 6	61.						
KY K 4003	0	0. 0	36. 9	52.						
Saccharomyces Hafe logos	20	291. 8	7433. 0	710.						
van Laer			***************************************							
KY K 4045	0	0. 0	69. 3	65.						
Saccharomyces cerevisiae	20	3022. 6	7893. 0	534.						
KY K 4102	0	0.0	36. 4	76.						
Saccharomyces ellipsoideus	20	1350. 0	6358. 2	396.						
KY K 4103	0	0.0	591. 7	39.						
Saccharomyces cerevisiae	20	1073.6	5528. 9	369.						
KY K 4104	. · 0 20	0. 0 2409. 9	51.6	79.						
Saccharomyces cerevisiae	<u>4U</u> 0	2409. 9 0. 0	11464. 9 40. 2	656. 54.						
KY IFO 0565	. 20	57. 3	40. 2 5071. 6	34. 333.						
Saccharomyces cerevisiae		0. 0	119. 4	<u>. 333.</u> 89.						
KY IFO 0210	20									
Saccharomyces cerevisiae	<u> </u>	1698. 7	4355. 2	183.						
KY IFO 0346	•	0. 0	29. 7	82.						
Schizosaccharomyces pombe	20	83. 1	4826. 5	159.						
KY IFO 1475	. 0	0. 0	31. 4	126.						
Ogataea polymorpha	20	19. 8	1196. 1	402.						

(Continuation of Table 12)

					
KY	JCM 2169	0	0. 0	67. 2	54. 3
	Debaryomyces vanrijiae	20	23. 9	2807.0	492. 6
	var vanrijiae				
KY	IFO 0339	0	0. 0	41.6	114. 7
	Saccharomycodes ludwigii	20	0. 0	3217. 2	199. 4
KY	IFO 0115	0	0. 0	25. 2	76. 6
	Hanseniaspora valbyensis	20	15. 1	2823. 5	185. 8
	Valbyensis				
KY	IFO 0648	0	0. 0	20. 9	84. 6
	Kluyveromyces lactis	20	14. 5	1128.6	225. 8
KY	IFO 0005	0	0. 0	34. 9	51.7
	Candida glabrata	20	1193.0	4710.9	279. 6
ΚY	IFO 0762	0	16. 2	90. 5	126.0
	Candida solani	20	231.3	962.5	350.0
ΚY	IFO 1527	0	7.8	16. 0	0. 0
	Cryptococcus humicolus	20	21.2	160.9	51.9
KY	IFO 1116	0	0. 0	15. 0	86. 5
	Wickerhamia fluorescens	20	32. 6	4262.8	500. 7

NE: nerolidol

FOH: farnesol

GGOH: geranylgeraniol

SQAD: squalene synthesis inhibitor

0: none 20: 20 mg/L

Treated with phosphatase

Table 13

Medium composition: KB medium + 1% soybean oil + ergosterol

		Supe		fraction /L of cul	Cell fraction ture solution)		
Strain No.	SQAD	NE	FOH	GGOH	NE	FOH	GGOH
IFO 3032	0	0. 0	11.6	0.0	0.0	0.0	0.0
Baccilus	20	0. 0	22.4	0.0	0.0	0.0	0.,0
Amyloliquefacien:	3						
IFO 3030	0	0. 0	21.9	0. 0	0.0	0. 0	0. 0
Baccilus pumilus	20	0. 0	36.6	0. 0	0. 0	6. 0	0.0
IFO 3762	0	0. 0	6.8	0.0	0.0	11.2	0. 0
Staphylococcus	20	0.0	121.4	0.0	0. 0	292. 4	0. 0
Epidermidis							
IFO 3067	0	0.0	5. 1	0.0	0. 0	0.0	0. 0
Micrococcus	20	0.0	57. 3	0.0	0. 0	11.8	0. 0
Lutenus						·	
IFO 12146	0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
Exiguobacterium	20	0. 0	115.7	0.0	0.0	10. 4	0. 0
Acetylicum							

NE: nerolidol

FOH: farnesol

GGOH: geranylgeraniol

SQAD: squalene synthesis inhibitor

0: none 20: 20 mg/L

Treated with phosphatase

Table 14

Production of heroildol (NOH), la	[(Day 3			Day 1			3014410117
Strains	No.	NOH	FOH	GGOH	NOH	FOH	GGOH	Temp.	Medium
Alcaligenes faecalis	IF013111	0.00	0.01	0.11	0.00	0.04	0.09	30	LBO-SSI
Brevibacterium divaricatum	NRRL2311	0.00	0.00	0.02	0.00	0.00	0.00	30	LBO-SSI
Brevibacterium fuscum	IFO12127	0.00	0.02	0.00	0.00	0.00	0.00	30	LBO-SSI
Brevibacterium linens	IFO12171	0.00	0.46	0.00	0.00	0.08	0.00	30	LBO-SSI
Candida catenulata	IFO 0720	0.04	8.10	0.34	0.04	8.61	0.47	30	YMO-SSI
Candida fragicola	IFO 1574	0.03	4.91	0.76	0.04	8.95	1.31	30	YMO-SSI
Candida krusei	IFO 0013	0.04	6.99	0.29	0.06	13.65	0.86	30	YMO-SSI
Candida lambica	IFO 1146	0.02	4.53	0.49	0.04	0.59	1.24	30	YMO-SSI
Candida maltosa	IFO 1977	0.00	6.74	0.19	0.08	9.03	0.58	30	YMO-SSI
Candida mycoderma	IFO 0164	0.02	5.45	0.20	0.03	4.69	0.17	30	YMO-SSI
Candida parapsilosis	IFO 0708	0.00	1.76	0.17	0.01	5.13	0.25	30	YMO-SSI
Candida rugosa	IFO 0591	0.00	0.90	80.0	0.00	4.20	0.19	30	YMO-SSI
Candida succiphila	IFO 1911	0.00	2.44	0.25	0.00	0.00	0.00	30	YMO-SSI
Candida tropicalis	IFO 0006	><	$>\!<$	$>\!\!<$	0.17	9.04	0.00	30	YMO-SSI
Candida zeylanoides	IFO 0719	0.00	1.43	0.29	0.00	7.38	1.24	30	YMO-SSI
Cryptococcus albidus	IFO 0881	0.00	0.15	0.03	0.02	2.41	0.45	30	YMO-SSI
Cryptococcus glutinis	IFO 1125	0.04	6.64	1.48	0.35	3.70	3.29	24	YMO-SSI
Dipodascus ovetensis	IFO 1201	0.00	4.23	0.14	0.04	8.68	0.95	30	YMO-SSI
Haloferax volcanii	IFO 14742	2.12	39.11	1.04	4.14	57.73	2.49	30	HVO-SSI
Hanseniaspora valbyensis	IFO 1758	0.00	0.33	0.04	0.04	2.40	0.12	30	YMO-SSI
Issatchenkia orientalis	IFO 1279	0.00	2.22	0.15	0.03	7.68	0.52	30	YMO-SSI
Kloeckera africana	IFO 0868	1.09	10.90	0.81	1.10	6.29	0.17	30	YMO-SSI
Kloeckera apiculata	IFO 0151	0.00	0.05	0.02	1.04	10.73	0.86	30	YMO-SSI
Kluyveromyces marxianus	IFO 0617	0.09	14.48	0.87	0.13	16.29	1.71	30	YMO-SSI
Kuraishia capsulata	IFO 0974	0.00	0.91	0.17	0.00	3.25	0.42	30	YMO-SSI
Mortierella ramanniana	ATCC 24786	$\triangleright <$	><	><	0.00	0.76	0.13	24	YMO-SSI
Nakazawaea holstii	IFO 0980	0.01	1.06	0.18	0.02	5.85	0.38	30	YMO-SSI
Pichia capsulata	IFO 0984	0.00	0.63	0.04	0.04	4.17	0.11	30	YMO-SSI
Pichia henricii	IFO 1477	0.00	3.20	0.12	0.00	3.24	0.00	30	YMO-SSI
Pichia holstii	IFO 0980	0.04	6.22	0.22	0.04	2.79	0,65	30	YMO-SSI
Pichia naganishii	IFO 1670	0.00	2.14	0.22	0.02	9.28	0.96	30	YMO-SSI
Pichia rhodanensis	IFO 1272	0.03	3.34	0.91	0.46	26.57	10.29	30	YMO-SSI
Pichia saitoi	IAM 4945	0.34	10.78	0.51	0.28	24.31	1.38	30	YMO-SSI
Rhodosporidium toruloides	IFO 8766	0.88	6.59	2.47	0.72	2.47	2.52	24	YMO-SSI
Rhodotorula aurantinaca	IFO 0951	0.01	3.14	0.18	0.03	6.11	0.50	30	YMO-SSI
Rhodotorula rubra	IFO 0870	0.03	1.62	1.02	0.16	2.32	1.61	30	YMO-SSI
Saccharomycopsis fibuligera	IFO 0105	0.00	0.06	1.68	0.00	5.71	4.79	30	YMO-SSI
Saccharomycopsis lipolytica	IFO 1209	0.05	9.48	0.16	0.21	16.46	0.83	30	YMO-SSI
Schizosaccharomyces octosporus	IAM4842	0.00	1.24	0.03	0.00	1.79	80.0	30	YMO-SSI
Staphylococcus aureus	IFO3060	0.00	0.06	0.00	0.00	0.05	0.00	30	YMO-SSI
Torulaspora delbrueckii	IFO 1626	0.04	2.33	0.15	0.06	5.50	0.36	30	YMO-SSI
Trichosporon cutaneum	IFO 1198	0.00	10.23	0.69	0.00	0.14	0.09	30	YMO-SSI
Tsukamurella paurometabolum	IFO12160	0.00	0.07	0.00	0.00	0.06	0.00	30	YMO-SSI
Yamadazyma farinosa	IFO 0193	0.00	1.27	0.18	0.00	2.36	0.82	30	YMO-SSI
Yerroiwa lipolytica	IFO 0746	0.06	9.66	0.15	0.16	13.41	0.36	24	YMO-SSI
Zygosaccharomyces japonicus	IFO 0595	0.05	0.77	0.05	0.10	2.17	0.15	30	YMO-SSI

Table 14 (continued)

Production of herolidor (NOTI), Tal		<u></u>	Day 3			Day 1		Temp.	
Strains	IFO No.	NOH	FOH	GGOH	НОИ	FOH	GGOH	(°C)	Medium
Ambrosiozyma ambrosiae	10835	0.0	0.1	1.5	0.0	0.0	0.7	24	YPDO-SSI
Ambrosiozyma monospora	10751	0.0	1.0	0.3	0.0	4.8	1.4	24	YMO-SSI
Ambrosiozyma philentoma	1847	0.0	0.9	0.2	0.0	16.8	8.0	24	YMO-SSI
Ambrosiozyma platypodis	10752	0.0	1.7	0.1	0.0	48.6	1.4	24	YMO-SSI
Bensingtonia intermedia	10178	0.0	1.5	0.7	0.0	2.9	5.2	24	YMO-SSI
Botryozyma nematodophila	10830	0.0	2.5	0.3	0.0	5.6	2.8	24	YPDO-SSI
Brettanomyces anomalus	0627	0.0	18.0	0.4	0.6	16.7	0.0	24	YMO-SSI
Brettanomyces bruxellensis	0797	0.0	4.7	0.5	0.0	8.2	0.0	24	YMO-SSI
Brettanomyces custersianus	10735	0.0	0.1	1.4	0.0	20.0	0.6	24	YMO-SSI
Bullera crocea	10113	0.0	7.4	0.5	0.0	16.1	0.5	17	YMO-SSI
Bullera sinensis	10756	0.1	0.3	1.0	0.1	1.7	2.3	24	YMO-SSI
Citeromyces matritensis	0651	0.1	2.0	0.4	0.0	0.7	0.0	24	YMO-SSI
Clavispora lusitaniae	10059	0.0	1.0	0.3	0.1	9.2	9.1	24	YMO-SSI
Cystofilobasidium infirmominiatum	1057	5.7	14.9	2.6	10.8	48.4	3.6	24	YMO-SSI
Debaryomyces occidentalis	1842	0.0	0.7	0.2	0.0	0.4	4.1	24	YMO-SSI
Dekkera bruxellensis	1590	0.0	3.7	0.2	0.0	15.7	0.0	24	YMO-SSI
Dipodascus armillariae	10804	0.0	4.2	0.1	0.0	3.3	0.2	24	YMO-SSI
Dipodascus tetrasperma	10810	0.0	1.7	0.8	0.0	9.8	2.5	24	YMO-SSI
Eremascus albus	10811	0.0	0.0	4.8	0.0	0.0	3.6	24	YMO-SSI
Eremascus fertilis	0691	0.0	0.0	0.0	0.0	0.4	0.0	24	YMO-SSI
Eremothecium gossypii	1355	0.0	8.0	0.0	0.0	4.4	0.9	24	YMO-SSI
Erythrobasidium hasegawianum	1058	0.0	0.5	1.0	0.0	0.0	6.8	24	YMO-SSI
Hanseniaspora guilliermondii	1411	0.0	1.4	0.1	0.0	1.3	0.0	24	YMO-SSI
Hanseniaspora uvarum	10833	0.1	15.3	2.9	0.4	11.1	0.8	24	YPDO-SSI
Kloeckeraspora vineae	1415	0.4	3.4	0.3	0.7	1.2	0.0	24	YMO-SSI
Kockovaella imperatae	10522	0.0	3.2	3.5	0.0	19.5	6.2	24	YMO-SSI
Kodamaea ohmeri	0202	0.0	7.7	1.6	0.1	13.7	4.7	24	YMO-SSI
Kurtzmanomyces nectairei	10118	0.0	0.1	0.1	0.0	0.0	0.0	24	YMO-SSI
Leucosporidium scottii	1924	0.2	32.8	1.3	0.7	5.2	0.0	24	YMO-SSI
Lodderomyces elongisporus	1676	0.1	14.8	2.0	0.1	15.7	0.0	24	YMO-SSI
Malassezia furfur	0656	0.0	4.3	0.1	0.0	6.9	0.1	30	YMOO-SSI
Metschnikowia hawaiiensis	10791	0.0	0.0	0.3	0.0	0.0	0.2	24	YPDO-SSI
Metschnikowia krissii	1677	0.0	1.3	0.1	0.0	21.0	0.0	24	YMO-SSI
Metschnikowia lunata	1605	0.0	5.1	1.0	0.3	31.9	5.9	24	YMO-SSI
Metschnikowia pulcherrima	0863	0.0	10.5	0.2	0.1	15.4	0.3	24	YMO-SSI
Mrakia frigida	1926	0.5	25.3	0.3	0.3	11.3	0.1	12	YMO-SSI

Table 14 (continu d)

Production of herolidol (NOH), far			Day 3		1	Day 10		Temp.		
Strains	IFO No.	NOH	FOH	GGOH	ИОН	FOH	GGOH		Medium	
Myxozyma lipomycoides	10351	0.7	23.3	5.4	1.3	35	1.1	24	YMO-SSI	
Nadsonia commutata	10029	0.0	0.1	0.0	0.0	0.3	0.0	17	YMO-SSI	
Pachysolen tannophilus	1007	0.0	0.1	0.1	0.0	1.9	1.4	24	YMO-SSI	
Pichia burtonii	10837	0.0	3.0	1.1	0.0	7.5	1.7	24	YMO-SSI	
Pichia misumaiensis	10221	0.3	20.8	1.8	1.0	14.5	2.0	24	YMO-SSI	
Pichia ofunaensis	10709	0.0	0.1	0.1	0.0	0.0	0.0	24	YMO-SSI	
Pichia pijperi	1290	0.5	5.1	0.6	0.5	6.4	0.5	24	YMO-SSI	
Saccharomyces transvaalensis	1625	0.1	0.0	0.0	0.0	0.0	0.0	30	YMO-SSI	
Saccharomycodes sinensis	10111	0.1	0.4	0.0	0.6	0.8	0.1	30	YMO-SSI	
Saccharomycopsis fibuligera	10829	0.0	0.0	4.1	0.0	0.0	2.8	24	YPDO-SSI	
Saccharomycopsis javaensis	1848	0.0	0.0	0.0	0.0	0.0	0.6	24	YMO-SSI	
Saccharomycopsis schoenii	10683	0.1	5.3	0.4	0.5	28.3	2.3	24	YMO-SSI	
Saccharomycopsis synnaedendra	1604	0.0	2.8	1.3	0.0	1.2	0.0	24	YMO-SSI	
Saccharomycopsis vini	1748	0.0	3.9	0.4	0.0	23.2	6.4	24	YMO-SSI	
Saturnispora zaruensis	1384	0.0	0.2	0.1	0.0	3.0	1.3	24	YMO-SSI	
Schizoblastosporion kobayasii	1644	0.0	4.0	0.9	0.0	2.8	4.7	24	YMO-SSI	
Schizoblastosporion starkeyi-henric	10842	0.0	0.9	0.2	0.0	1.1	0.8	24	YPDO-SSI	
Sporopachydermia cereana	10013	0.0	0.6	0.2	0.2	0.1	1.2	24	YMO-SSI	
Stephanoascus ciferrii	1854	0.0	0.9	0.1	0.0	3.3	0.0	24	YMO-SSI	
Sterigmatomyces elviae	1843	0.0	4.5	0.5	0.1	10.5	1.8	24	YMO-SSI	
Sterigmatomyces halophilus	1488	0.0	0.0	0.0	0.8	0.3	0.0	24	YMO-SSI	
Sterigmatosporidium polymorphum	10121	0.0	2.4	0.1	0.0	15.7	1.3	24	YMO-SSI	
Sympodiomyces parvus	10132	0.0	3.7	0.1	0.0	3.0	0.0	17	YMO-SSI	
Sympodiomycopsis paphiopedili	10750	0.0	1.3	1.0	0.0	8.0	1.0	24	YMO-SSI	
Trichosporon brassicae	1584	·0.0	13.0	0.7	0.0	13.2	0.0	24	YMO-SSI	
Trichosporon pullulans	1232	0.2	10.9	0.2	0.3	30.5	1.1	17 .	YMO-SSI	
Trigonopsis variabilis	0755	0.0	0.0	0.0	0.0	0.1	0.2	24	YMO-SSI	
Tsuchiyaea wingfieldii	10204	0.0	15.3	0.7	0.0	17.5	1.4	24	YMO-SSI	
Wickerhamilla domercqiae	1857	0.0	1.7	0.0	0.0	5.2	0.0	24	YMO-SSI	
Xanthophyllomyces dendrorhous	1.0130	0.1	30.0	0.8	0.5	33.8	2.8	24	YMO-SSI	
Zygozyma oligophaga	10360	0.1	6.4	5.3	0.8	24.3	5.6	24	YMO-SSI	



Table 14 (continued)

Production of nerolidol (NOH), farm			Day 3			Day 9	ł	Temp.	Medium
Strains	No.	NOH	FOH	GGOH	ИОИ	FOH	GGOH	(°C)	Medium
Aciculoconidium aculeatum	IFO 10124	0.0	21.3	1.4	0.0	26.4	2.3	24	YMO-SSI
Bullera pseudoalba	IFO 10179	0.0	11.0	2.0	0.0	40.7	15.0	24	YMO-SSI
Candida albicans	IFO 1060	0.2	108.8	3.5	0.8	32.9	4.7	30	YMO-SSI
Candida albicans Candida glabrata	IFO 0741	0.3	19.6	0.6	3.2	70.1	4.2	30	YMO-SSI
Candida giabi ata Candida guilliermondii	IFO 0566	0.0	3.9	0.8	0.0	4.2	1.1	30	YMO-SSI
Candida intermedia	IFO 0761	0.0	56.2	2.5	0.1	87.0	6.2	30	YMO-SSI
	IFO 0706	0.3	28.2	2.0	0.7	15.8	2.9	30	YMO-SSI
Candida kefyr	IFO 0941	0.5	37.9	4.0	3.7	7.8	8.0	30	YMO-SSI
Candida krusei	IFO 0716	0.0	2.2	0.2	0.0	31.2	2.2	30	YMO-SSI
Candida tenuis	IFO 0619	0.2	42.2	5.5	0.8	52.5	11.1	30	YMO-SSI
Candida utilis	IFO 0753	0.2	6.3	2.0	0.0	0.3	3.3	30	YMO-SSI
Cryptococcus humicola	IFO 0733	0.2	1.2	0.1	0.0	1.9	0.3	30	YMO-SSI
Cryptococcus terreus		0.0	11.4	1.1	0.2	26.8	4.6	30	YMO-SSI
Debaryomyces castellii	IFO 1359			0.3	0.0	45.7	4.4	24	YMO-SSI
Fellomyces penicillatus	IFO 10119	0.0	2.9		0.1	106.6	3.6	24	YMO-SSI
Filobasidium capsuligenum	IFO 1185	0.0	51.0	1.1		85.4	3.0 8.9	24	YMO-SSI
Filobasidium uniguttulatum	IFO 0699	0.0	28.7	1.3	0.4	62.1	8.9	30	YMO-SSI
Kloeckera corticis	IFO 0633	0.4	42.8	2.3	1.2			24	YMO-SSI
Holtermannia corniformis	IFO 10742	0.0	25.4	2.8	1.1	50.7	8.4	30	YMO-SSI
Kluyveromyces marxianus	IFO 0617	0.0	16.6	8.0	0.4	35.1	5.0		
Phaffia rhodozyma	ATCC 66270		2.2	0.1	0.5	108.7	5.8	24	YMO-SSI
Pichia anomala	IFO 0146	0.2	34.8	2.6	0.2	7.4	4.3	30	YMO-SSI
Pichia fabianii	IFO 1254	0.0	14.3	1.5	0.2	0.1	4.2	30	YMO-SSI
Pichia farinosa	IFO 1003	0.0	3.2	0.6	0.0	11.1	1.8	30	YMO-SSI
Pichia jadinii	IFO 0987	0.0	23.1	2.0	0.1	24.6	8.3	30	YMO-SSI
Pichia polymorpha	IFO 0195	0.3	21.8	3.2	0.4	0.6	5.2	30	YMO-SSI
Pichia silvicola	IFO 0807	0.2	10.6	1.6	8.0	29.0	4.2	30	YMO-SSI
Rhodotorula glutinis	IFO 0695	0.0	3.8	0.2	0.0	3.4	0.3	30	YMO-SSI
Rhodotorula minuta	IFO 0715	0.3	6.6	12.0	3.4	5.0	0.7	30	YMO-SSI
Rhodotorula rubra	IFO 0870	0.3	5.5	10.8	3.5	4.4	26.4	30	YMO-SSI
Saccharomyces cerevisiae	IFO 0258	0.0	22.3	0.6	0.4	77.5	1.9	30	YMO-SSI
Saccharomyces cerevisiae	IFO 2347	0.0	18.8	0.7	0.1	36.5	1.4	30	YMO-SSI
Saccharomycodes ludwigii	IFO 10036	0.0	3.3	0.2	0.1	15.5	0.4	24	YMO-SSI
Saccharomycopsis fermentans	IFO 10772	0.1	41.4	1.9	0.3	37.9	3.1	24	YMO-SSI
Sporidiobolus samonicolar	IFO 1035	0.1	7.9	1.1	0.1	42.3	6.4	30	YMO-SSI
Sporobolomyces salmonicolor	IFO 0374	0.1	28.8	3.4	0.5	35.7	14.4	30	YMO-SSI
Trichosporiella flavificans	IFO 1573	0.0	0.0	0.0	0.2	31.5	3.0	24	YMO-SSI
Trichosporon penicillatum	JCM 2171	0.0	1.7	0.6	0.1	1.7	0.0	30	YMO-SSI
Williopsis californica	IFO 0800	10.1	95.7	4.7	10.5	90.1	5.2	24	YMO-SSI
Willopsis saturnus	IFO 0895	0.5	59.1	9.0	1.6	69.2	13.1	30	YMO-SSI
Yamadazyma farinosa	IFO 0459	0.0	6.2	0.8	0.0	20.8	2.2	30	YMO-SSI
Zygoascus hellenicus	IFO 10184	0.0	3.9	0.1	0.0	32.4	2.7	24_	YMO-SSI